

Title (en)
LIGHT-EMITTING MODULE WITH A CURVED PRISM SHEET

Title (de)
LICHTEMITTIERENDES MODUL MIT GEBOGENER PRISMENFOLIE

Title (fr)
MODULE ÉLECTROLUMINESCENT AVEC FEUILLE PRISMATIQUE INCURVÉE

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Application
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Priority

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Abstract (en)
[origin: WO2014207610A1] A light-emitting module (1) comprising a light source array of solid state light- sources arranged along a geometrical line (O), and an envelope (40) surrounding the light unit (10). The envelope comprises a base structure (6) extending along the light source array and including a diffuse reflective portion, two side reflector regions (4, 4') arranged on opposite sides of the base structure, and a curved prism sheet (8) extending between the two side reflector regions at a constant distance (R) from the geometrical line (O). The curved prism sheet includes a plurality of prism structures (28) having right top angles and arranged such that light emitted from the light sources and directly incident on the prism structures is retroreflected back towards the geometrical line (O), while light incident on the prism structures after being diffused by the diffuse reflective portion and/or being reflected by the side reflector regions, is transmitted through the curved prism sheet. Various embodiments of the present invention provide improved luminance uniformity.

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